

THIRD-ORDER LEVELING  
SEA LEVEL DATUM OF 1929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-082-41  
INEZ QUADRANGLE  
137 KENTUCKY  
85745-8230/15  
DIAGRAM BJ 17-7  
JENKINS

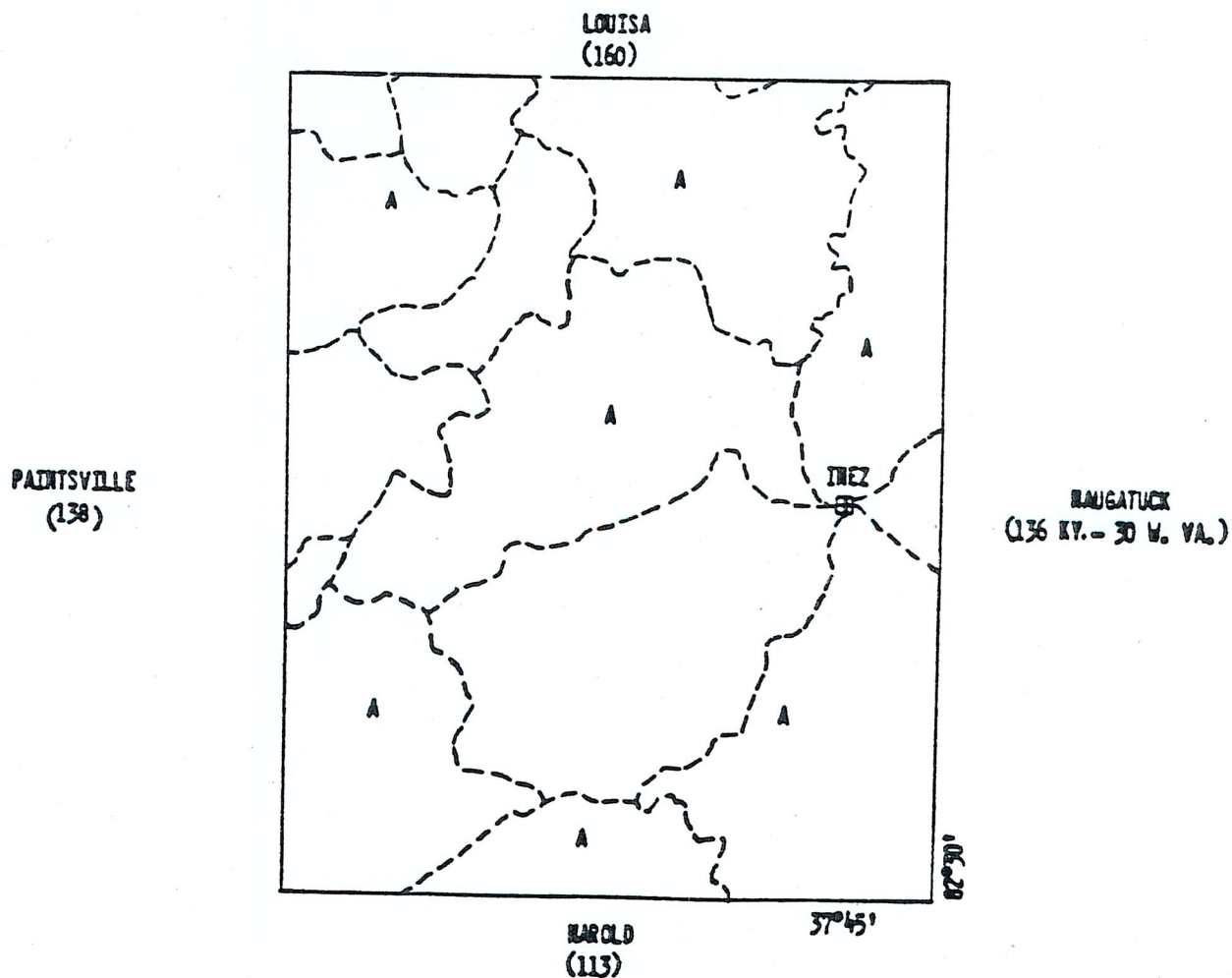
Lawrence, Johnson and Martin Counties

Final adjustment of 1973

Edition of 3/22/74

PR: WSM/bjh

Only the permanent marks  
are listed for lines  
run more than 25 years  
before edition date



DGS (USCGS) VERTICAL CONTROL DATA

A. Quadrangle 370824

157 KENTUCKY  
THEZ QUADRANGLE

37-082-41  
05745-18230/15

INDEX OF PERMANENT MARKS

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INEZ QUADRANGLE  
Books A 8260 and A 9341

137 KENTUCKY

S. R. Archer

37-082-41  
3

1909

ISOLATED BENCH MARKS (By S. R. Archer, 1909, Books A8260 and A9341)

Feet

Georges Creek; 60 ft N. of station platform; N. side of hwy.; inside fence corner; 30 ft W. of  
elm tree; on iron post; standard cap stamped "608" (Destroyed, 1954) 607.905

Richardson, 180 ft N. of Chesapeake & Ohio Railway Station; 20 ft E. of track; at fence corner;  
on iron post; standard cap stamped "601" (Not found, 1954) 600.979

Graves Shoals, 1.6 mi SW. of; 2.0 mi N. of Chestnut Station; E. side of railroad; 3 ft from track;  
250 ft S. of milepost "E 82 N 46"; in rock ledge; standard tablet stamped "597" (Not found, 1953) 596.986

Graves Shoals, 2.5 mi SW. of; 1.1 mi N. of Chestnut Station; 150 ft N. and 50 ft W. of milepost  
"E 81 N 47" (U.S. Corps of Engineers BM 12,) Big Sandy, set in river bank 597.262

Chestnut Station, 1.0 mi SW. of; 2.0 mi NE. of White House; at house on W. side of railroad;  
250 ft W. of railroad milepost "E 79 N 49", river bank (U.S. Corps of Engineers BM 13, Big  
Sandy) 603.734

White House, 0.2 mi W. of station; 120 ft W. of post office; at milepost "N 51 E 77"; in top of  
S. end of concrete culvert under railroad; standard tablet stamped "592" (Not found, 1953) 592.233

River Station (River post office); 180 ft S. and 50 ft W. of station; 75 ft N. of post office;  
in front of dwelling house; in fence corner; on iron post standard cap stamped "615"  
(Not found, 1953) 615.630

Charley, 0.4 mi W. of; at T-rd. SW.; on N. side of public road at road forks; at fence corner; on  
iron post; standard cap stamped "629" (Not found, 1971) 629.356

Lewmansville, 0.8 mi SW. of; at T-rd. SW.; 300 ft S. of John J. Brown's residence; at NW. corner of  
road forks; at fence line; on iron post; standard cap stamped "651" (Not found, 1954) 650.852

Odds Post Office, 0.10 mi SW. of; 90 ft SW. of road forks; road leading SE. to Dicks Creek; 110  
ft NE. of mouth of Right Fork of Daniels Creek; on S. edge of rd.; NE. corner of yard of John  
Wells' residence; inside of fence; on iron post; standard cap stamped "633" (Not found, 1954) 633.019

Odds Post Office, 2.8 mi NE. of; at top of gap in ridge between Daniels Creek and Little Beech  
Fork of Middle Fork of Rockcastle Creek at Martin-Johnson County line; 25 ft E. of center of  
ridge; 20 ft S. of road; on iron post; standard cap stamped "1119 KY" (Not found, 1953) 1119.473

Belong, 400 ft E. of post office; 220 ft E. of road leading N. to Rockhouse Fork; at ford of  
road across Middle Fork of Rockcastle Creek; N. bank of creek, W. side of road; inside of  
fence line; on iron post; standard cap stamped "712 KY" (Not found, 1953) 712.433



ISOLATED BENCH MARKS (Cont'd.)Feet

Davella Post Office; 850 ft S. of; 300 ft N. of mouth of Madlick Branch; 220 ft N. of church; 100 ft SE. of ford; E. side of creek and rd. to S.; at foot of hill; under small tree; in top of large rock; standard tablet stamped "686 KY" (Not found, 1953) 606.515

Inez, 4.60 mi SW. of; 500 ft E. of mouth of Davis Branch; 225 ft W. of rd. forks; N. side of lower road; S. bank of Middle Fork of Rockcastle Creek; at SE. corner of church; on iron post; standard cap stamped "672 1914 KY" (Not found, 1953) 671.743

Inez; at Martin County Courthouse; NW. corner of yard; in fence corner; iron post stamped "636 KY" 636.021

Inez; 3.64 mi N. of; 0.50 mi S. of mouth of Rockhouse Fork; road crossing mouth of Stable Branch; opposite front of residence of Nehemiah Brown; on W. side of rd.; S. side of branch; 8 ft W. of W. road fence line; in field; on iron post; standard cap stamped "612 KY" (Reported not found, 1953) 612.460

Job Post Office, 2.60 mi NE. of; 0.30 mi N. of Petercave Branch; 150 ft S. of Joe Branch; 100 ft S. of front of residence of Mont Pack; on E. side of rd.; inside of fence line; near center of south side of store building; on iron post; standard cap stamped "607 KY" (Not found, 1953) 606.743

Clifford, 4.84 mi SW. of; 260 ft S. of mouth of Jins Branch; 340 ft N. of Martin-Laurence County line; opposite residence owned by Alfred Yeates and occupied by Taylor Short (standing in bottom on W. side of Rockcastle Creek); on E. bank of Rockcastle Creek; 20 ft E. of rd.; on iron post; standard cap stamped "590 KY" (Not found, 1953) 590.176

Clifford, 1.4 mi SW. of; 0.22 mi S. of Schoolhouse Branch; 50 ft N. of bend in rd. to N.; 260 ft S. of beech tree 2.5 ft in diameter (Standing on E. bank of Rockcastle Creek; W. side of rd. at bend in creek to north); 300 ft E. of residence of Ulysses Branham; on E. side of rd.; 20 ft N. of chestnut tree 2.5 ft in diameter; inside of fence; in top of large sandstone rock; standard tablet stamped "679 KY" (Not found, 1953) 579.018

Inez, 1.74 mi SE. of; rd. forks at mouth of Blacklog Fork, on N. side of rd. forks, in face of sandstone cliff; standard tablet stamped "647 KY" 647.030

Inez, 4.95 mi SE. of; mouth of Collins Branch, sharp bend in rd.; at SE. angle of junction of Coldwater Fork and Collins Branch; 315 ft W. of rd. crossing Collins Branch; 35 ft above level of creek; on W. side and 7 ft lower than rd.; at end of low spur ridge from E.; in top of rock; standard tablet stamped "702 KY" (Destroyed, 1953) 702.367



HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-082-41  
INEZ QUADRANGLE  
137 KENTUCKY  
R3745-0230/15  
DIAGRAM NO 17-7  
JANUARY

Johnson, Lawrence, and Martin Counties

Edition of 1/25/77

PR: CRV/rms

Only the permanent marks are  
listed for control classified  
obsolete and are not shown on  
sketch

Plane coordinates are based on Lambert projection,  
Kentucky, South and North Zones, and West Virginia,  
South Zone

LOUISA  
(160 KY.-42 W.VA.)

PAINTSVILLE  
(138)

HAUGATUCK  
(30 W.VA.-136 KY.)

Inez



82°30'

37°45'

HAROLD  
(113)

137 KENTUCKY  
INEZ QUADRANGLE

37-082-41  
#3745-W8230/15

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

TT 3 TWC 1951 750.107  
TT 4 TWC 1951 606.186  
TT 5 TWC 1951 579.398  
TT 6 TWC 1951 594.841  
TT 7 TWC 1951 631.282  
TT 8 TWC 1951 657.988  
TT 39 TWC 1951 RESET 1955 694.401  
TT 40 TWC 1951

3  
3  
3  
3  
3  
3  
3  
4

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.



STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By T. W. Cayce, 1951; Book AM 270

Charley, 1.8 mi NW. of, along graveled rd.; 0.5 mi SW. of Freewill Baptist Church; 27 ft W. of junction of I-rd. SW.; 1 ft E. of wire fence; in concrete post; standard tablet stamped "TI 3 TWC 1951 750.107" (Not found, 1971)

Ky.S.)	X = 2,875,439	Y = 620,217	37 59 53.21	82 42 42.03
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Charley, 0.3 mi SE. of rd. junction, on S. side of rd.; 20 ft SW. of centerline of rd.; 67 ft NW. of NW. corner of white house, and 42 ft SE. of powerline pole No. 620-124; in concrete post about 4 in. above ground; standard tablet stamped "TI 4 TWC 1951 606.186"

	X = 2,877,623	Y = 611,326	37 58 24.67	82 42 18.34
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Lowmansville, 5.4 mi NE. of, along U.S. Highway 23; at Belles Chapel of Freewill Baptist Church; 200 ft N. of centerline of Highway 23 at N. end of steel bridge over Georges Creek; 65 ft NE. of junction of I-rd. SW.; 17 ft W. of SW. corner of church; in concrete post; standard tablet stamped "TI 5 TWC 1951 579.398" (Reported destroyed, 1971)

	X = 2,887,303	Y = 609,227	37 58 00.83	82 40 18.38
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Lowmansville, 3.3 mi NE. of, along U.S. Highway 23; at divided driveway across bridge; 73 ft SE. of, and across hwy. from mailbox; 46 ft W. of centerline of W. end of wooden bridge over creek; 21 ft E. of centerline of hwy.; in grassy triangle formed by driveway; in concrete post; standard tablet stamped "TI 6 TWC 1951 594.841" (Reported destroyed, 1971)

	X = 2,885,923	Y = 599,669	37 56 26.83	82 40 39.48
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Lowmansville, 1.3 mi NE. of, along U.S. Highway 23; 39 ft S. and 6 ft W. of driveway S.; 7 ft NE. of telephone pole; in concrete post; standard tablet stamped "TI 7 TWC 1951 631.282" (Reported destroyed, 1971)

	X = 2,877,201	Y = 593,973	37 55 33.34	82 42 30.58
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Lowmansville, 0.8 mi SW. of, along U.S. Highway 23; 0.3 mi SW. of Johnson-Lawrence County line; at Georges Creek United Baptist Church; 218 ft NW. of church entrance; 50 ft S. and 20 ft W. of driveway to church; 14 ft S. of mailbox; in concrete post; standard tablet stamped "TI 8 TWC 1951 657.988"

	X = 2,867,978	Y = 589,267	37 54 49.76	82 44 27.50
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Inez, 0.6 mi NE. of post office, along State Highway 40, thence 0.8 mi N. along Turkey Creek Road; at right-angled curve at foot of hill; 58 ft NE. of, and across rd. power pole; 43 ft E. of junction of driveway SE.; 3 ft N. of 12-in. oak tree; in concrete post; standard tablet stamped "TI 39 TWC 1951 RESET 1955 694.401"

	X = 2,933,306	Y = 576,837	37 52 25.60	82 30 58.13
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137 KENTUCKY  
INEZ QUADRANGLE

37-082-41  
4

STATION      DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

OBSOLETE MARKS (Cont'd.)

Inez, 1.7 mi SE. of post office, along State Highway 40; 3 ft S. and 92 ft W. of junction of T-rd. SW.; 73 ft W. of center of wooden bridge over stream; 3 ft NW. of powerline junction pole; in concrete post; standard tablet stamped "TT 40 TWC 1951" (Reported destroyed, 1954)

X = 2,932,624

Y = 570,368

37 51 21.91

82 31 09.38

Inez Qd.  
BLANKENSHIP

County: Lawrence

137 KENTUCKY

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: 1927 N.A.D.

Description: Company  
2/18/54 mcs

Lawrence County, Ky. - On a knob on ridge between heads of Lower and Upper Ivy Branches of Blankenship Creek and Left Fork of Buffalo Horn. This station may be reached by following ridge E. from where trail crosses ridge from Smith Branch of Blankenship to Left Fork of Buffalo Horn.

Station Mark - Houston Triangulation Survey tablet cemented in 12- by 12- by ~~12~~ 12-in. stone set on end on bedrock and projecting 3 in. above surface of ground.

Reference mark No. 1 - Cross mark in head of 10d nail in root of 14-in. chestnut stump, 28.82 ft. from station in true azimuth 194°26'

Reference mark No. 2 - Cross mark in head of 10d nail 6 ft. above ground in 16-in. black-oak tree, 159.45 ft. from station in true azimuth 253°37'

X = 2,934,278

Y = 606,509

Note: Reported destroyed in 1954 by M. J. Mannello.

[Latitude 37 57 18.445

Longitude 82 30 33.309 1

To Station—	Azimuth	Back Azimuth	Feet	Distance
Turkey	5 44' 11.4	185 43' 54.7	21598.10	Miles
Brown	27 44' 45.3	207 43' 08.0	27269.6	
Laurel	71 32' 20.4	251 30' 25.2	15820.8	
Grassy	73 05' 12.1	253 02' 43.7	20214.3	
Corncob	96 36' 16.3	276 33' 20.3	23071.66	
Coon Knob	97 39' 35.6	277 38' 08.0	11503.2	
Wallace Rock	143 39' 00.1	323 37' 19.0	22177.5	
Buck	329 48' 11.0	149 51' 00.8	44079.1	
Hurricane (U.S.G.S.)	355 46' 44.9	175 47' 19.6	61658.56	



Inez ~~QD#~~ 137  
Station: BORDERS

County: Lawrence State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: Prelim. 1927 N.A.D.

Description: Company  
2/13/54 mcs

PRELIMINARY

Lawrence County, Ky. - On ridge between forks of Nats Creek about 1/2 mi. from forks. Station is best reached by going up Huckleberry Hollow from the residence of Grant Borders and following ridge S. from Gap at head of hollow.

Station Mark - Houston Triangulation Survey tablet cemented in a 12- by 12- by 30-in. stone ~~flush~~ set flush with surface.

X = 2,902,633

Y = 593,622

NOTE: Reported destroyed in 1954 by L. R. Mannello.

[Latitude 37 55 21.001

Longitude 82 37 13.508 ]

To Station—	Azimuth ° ' "	Back Azimuth ° ' "	Distance <del>Feet</del> Feet	Miles
Nelson (USGS)	109 49 00.4	289 44 53.1	34257.3	
Corncob	212 15 43.8	32 17 53.9	17101.2	

Inez. Q. # 137

Station: BROWN

County: Martin

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: Prelim. 1927 N.A.D.

Description: Company

1/18/54 mcs

PRELIMINARY

Martin County, Ky. - On a high knob between a hollow of Rockcastle Creek and Spring Branch of Rockcastle Creek, about 2½ miles N. of Inez, on property of Allifair Brown. Station may be reached by going up spur back of Castle School on Rockcastle Creek.

Station mark - Houston Triangulation Survey tablet cemented in a 7- by 12- by 30-in. stone set on end and projecting 3 in. above surface.

Reference mark No. 1 - Cross mark on rock ledge 18 ft. S. from top of ridge, 212.10 ft. from station in true azimuth 49°43'

Reference mark No. 2 - Cross mark in head of 20d nail in root of 22-in. black-oak tree 47.10 ft. from station in true azimuth 105°05'

X = 2,922,381

Y = 582,028

Not Found L. R. M. 4/54

[Latitude 37° 53' 20.555

Longitude 82° 33' 12.098

To Station—	Azimuth	Back Azimuth	Distance	
	° ' "	° ' "	Feet	Miles
Saltwell	11 00 33.7	191 00 06.4	18671.8	
Hurricane (USGS)	335 12 30.8	155 14 42.9	41223.1	

Inez Q.D. # 137  
Station: COON KNOB

County: Lawrence-Martin State: Kentucky

Observer Ky. By Products Coal Year: 1929 Datum: Prelim. 1927 N.A.D.

Description: Company

PRELIMINARY

2/18/54 mcs

In county line between Lawrence and Martin Counties,  
Ky. - On a high knob on ridge between Laurel Creek and Big Laurel  
and at head of Mill Branch of Rockcastle.

Station Mark - 9- by 9- by 24-in. stone set flush with  
surface with lead plug to mark center.

Reference mark No. 1 - Cross mark on head of 10d nail  
6 ft. above ground in 20-in. black-oak tree 158.10 ft. from  
station in true azimuth  $48^{\circ}57'$

Reference mark No. 2 - Cross mark on head of 10d nail in  
root of 9-in. black-oak tree, 35.94 ft. from station in true  
azimuth  $209^{\circ}03'$

X = 2,922,832

Y = 607,651

[Latitude 37 57 33.579

Longitude 82 32 55.653 ]

To Station—	Azimuth	Back Azimuth	Distance	
			Feet	Miles
Corneob Blankenship	95 31 52.2	275 30 23.7	11572.3	
	277 38 08.0	97 39 35.6	11503.2	



Inez **Q.D.# 137**

Station: GORN COB

County: Lawrence

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: 1927 NAD

Description: Company

2/18/54 mcs

Lawrence County, Ky. - On a high cleared knob at head of Left Fork of Nats Creek and Big Laurel at Rockcastle. This station may best be reached by road from Peach Orchard and following ridge E. from road in Corncob Gap.

Station Mark - Houston Triangulation Survey tablet cemented in stone 8- by 12- by 30-in. set in ground on end and flush with surface.

Reference Mark No. 1 - Brass tack in wooden plug in stone near 10-in. black-walnut tree 15.42 ft. from station in true azimuth  $267^{\circ}55'$

Reference Mark No. 2 - Brass tack in cement plug in corner stone near 12-in. hickory tree 60.75 ft. from station in true azimuth  $320^{\circ}19'$

Note: A 100-ft. steel tower was built by C.C.C. in April 1934 and is about 11 ft. off center.

X = 2,911,282

Y = 608,375

Not Found M. J. M. 4/54

[Latitude 37 57 44.582

Longitude 82 35 19.475 ]

To Station—	Azimuth	Back Azimuth	Feet	Distance
	° ' "	° ' "	<del>Feet</del>	Miles
Handmaul	23 09 32.3	203 07 33.3	39329.42	
Borders	32 17 53.9	212 16 43.8	17101.2	
Nelson (USGS)	86 05 06.5	265 59 48.9	41459.05	
Chapman	169 31 04.7	349 30 33.7	22109.5	
Hogback	192 31 01.6	12 31 39.7	22820.9	
Wallace Rock	212 40 39.2	32 41 54.2	16078.2	
Hammond	254 01 05.2	74 02 48.0	13915.7	
Coon Knob	275 30 23.7	95 31 52.2	11572.3	
Blankenship	276 33 20.3	96 36 16.3	23071.66	
Laurel	314 02 13.0	134 03 13.8	11014.8	
Turkey	319 23 17.2	139 25 56.5	31909.07	
Grassy	337 12 07.4	157 12 34.9	9254.3	

Inez  
Station: DELONG

Qd# 137

County: Martin

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: 1927 NAD

Description: Company  
2/18/54 mcs

Martin County, Ky. - On a knob on a ridge between Rockhouse Fork and Middle Fork of Rockcastle Creek, at the head of Lick Branch of Middle Fork. Station may be reached by following ridge south from Beech Gap at head of Porter camp Branch. This station is about  $1\frac{1}{2}$  miles north of Delong post office.

Station Mark - Houston Triangulation Survey tablet cemented in a 18- by 12- by 14-in. stone set flush with ground.

Reference mark No. 1 - Cross cut in large boulder on flat on S. side of knob about 200 ft. from station in true azimuth  $52^{\circ}01'$

Reference mark No. 2 - Cross mark in head of 20d nail in center of 6-in. pine stump 14.03 ft. from station in true azimuth  $119^{\circ}0'$

Reference mark No. 3 - Cross mark in head of 20d nail in center of 8-in. pine stump 32.53 ft. from station in true azimuth  $344^{\circ}36'$

X = 2,902,281

Y = 547,377

NOTE: Reported destroyed in 1954 by L. R. Mannello.

[Latitude 37 47 44.827

Longitude 82 37 36.973 ]

To Station—	Azimuth	Back Azimuth	Distance	Miles
			<del>Knot Mark</del> Feet	
Spring Knob	136 46 56.5	316 46 01.7	10477.95	
Saltwell	228 30 47.4	48 33 02.6	23605.70	
Sulphur	259 55 48.5	79 56 28.2	5287.97	
Sand Lick	312 54 14.0	132 55 33.8	14274.2	
Goble	342 25 56.3	162 26 33.1	15971.97	

6



Inez Qa # 137

Station: FLATROCK

County: Martin

State: Kentucky

Observer Ky. By Products Coal Year: 1929 Datum: Prelim. 1927 N.A.D.

Description: Company

2/18/54 mcs

PRELIMINARY

In Martin County - On a high knob known locally as Bird Knob. On ridge between Little Blacklog and Lick Branchs. Station may be reached by going up hollow back of residence of Jas. Horn on Lick Branch and following ridge E. from gap.

Station Mark - Houston Triangulation Survey tablet cemented in solid rock.

Reference Mark No. 1 - Cross mark on large boulder 12 ft. S. from top of ridge, 25.28 ft. from station in true azimuth  $326^{\circ}13'$

Reference Mark No. 2 - Cross mark on large boulder on top of ridge 90.58 ft. from station in true azimuth  $345^{\circ}58'$

X = 2,936,503

Y = 575,652

NOTE: Reported disturbed in 1954 by L. R. Mannello.

(Tablet had been removed; shank remains in rock)

[Latitude 37 52 12.807

Longitude 82 30 16.777 ]

To Station—	Azimuth	Back Azimuth	Distance	
			<del>XXXXXX</del>	Miles
			Feet	
✓ Saltwell	56 42 53.2	236 40 39.6	20898.3	
✓ Hurricane (USGS)	353 42 27.3	173 42 53.1	30761.1	



Inez

Station: GOBLE

County: Martin

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: 1927 N.A.D.

Description: Co.

1/21/54 jmr

Martin County, Ky. - On a high knob on ridge between Middle Fork of Rockcastle Creek and Laurel Fork, at head of a hollow known locally as the Aunt Creasy Goble Branch. This station is on or near corner of properties of Abe Goble and Simpkins Estate.

Station Mark: - Houston Triangulation Survey tablet cemented in a 6" x 7" x 26" stone set on end and projecting 2" above surface.

Reference Mark No. 1: Cross mark in head of 10d nail in center of 14-in. chestnut stump, 47.44 ft. from station in true azimuth 238°49'

Reference Mark No. 2: Cross mark in head of 10d nail in base of 12-in. black oak tree, 26.44 ft. from station in true azimuth 325°21'

Not Found L. R. M. 4/54

(Reported destroyed, 1978)

Kentucky Lambert Projection  
(South Zone)

X = 2907603

Y = 532318

[Latitude 37 45 14.283

Longitude 82 36 36.948 ]

To Station—	Azimuth	Back Azimuth	Distance	
			<del>Feet</del> Feet	Miles
✓ Delong	162 26 33.1	342 25 56.3	15,971.97	
✓ Sulphur	181 22 40.9	1 22 43.8	16,156.25	
✓ Saltwell	202 38 00.4	22 39 38.7	33,437.44	
✓ Jones	230 34 32.4	50 36 34.4	20,699.95	
✓ Hurricane (USGS & USC&GS)	250 45 01.2	70 49 18.5	35,728.27	
✓ Walnut	262 08 22.7	82 11 32.7	25,160.5	
✓ McGee	287 11 04.7	107 14 08.0	25,180.8	
✓ Big Andy	289 48 51.4	109 50 53.0	16,947.6	
✓ Panther	357 42 17.8	177 42 21.9	13,580.28	

Inez  
Station: GRASSY

County: Lawrence

State: Kentucky

Observer Ky. By Products Coal Year: 1929 Datum: Prelim. 1927 N.A.D.

Description: Company  
2/19/54 mcs

PRELIMINARY

Description Not Available

Reference Mark No. 1 - Brass tack in 20-in. chestnut tree on ridge about 225 ft. from station in true azimuth  $327^{\circ}44'$

Reference Mark No. 2 - Brass tack in root of 12-in. pine tree 39.10 ft. from station in true azimuth  $334^{\circ}58'$

X = 2915151

Y = 599969

Not Found L. R. M. 5/54

[Latitude 37 56 20.238

Longitude 82 34 34.715 ]

To Station—	Azimuth	Back Azimuth	Distance	
			<del>Log Meters</del> Feet	Miles
✓ Corncob	157 12 34.9	337 12 07.4	9254.3	
✓ Blankenship	253 02 43.7	73 05 12.1	20214.3	
✓ Turkey	312 24 28.6	132 26 40.3	23271.3	

Inez  
Station: HAMMOND

Q.D.# 137

County: Lawrence

State: Kentucky

Observer: Ky. By products Coal Year: 1929 Datum: Prelim. 1927 N.A.D.

Description:  
2/18/54 mcs Company

PRELIMINARY

Lawrence County, Ky. - On a knob on ridge between Rockcastle Creek and Laurel Creek about 1 mile from junction of said creeks. Station is opposite store and residence of Frank Hammond on Rockcastle and is best reached by following ridge E. from a gap back of Laurel School.

Station Mark - Houston Triangulation Survey tablet cemented in a 5- by 12- by 27-in. stone set on end flush with ground.

Reference mark No. 1 - Cross mark on head of 20d nail 5 ft. above ground in 24-in. black-oak tree, 93.34 ft. from station in true azimuth 119°20'

Reference mark No. 2 - Cross mark on head of 20d nail in root of 16-in. black-oak tree 40.06 ft. from station in true azimuth 341°41'

X = 2,924,524

Y = 612,652

[Latitude 37 58 22.427

Longitude 82 32 32.413 ]

To Station—	Azimuth	Back Azimuth	Distance	
			Log. Meters Feet	Miles
Corncob	74 02 48.0	254 01 05.2	13915.7	
Wallace Rock	162 24 10.2	342 23 42.4	11946.1	



Inez Station: HANDMAUL Qo. # 137

County: Martin-Johnson Line State: Kentucky

Observer: Ky. By products Coal Year: 1929 Datum: 1927 N.A.D.

Description: Company  
2/18/54 mcs

In county line between Martin and Johnson Counties - On a high knob on ridge between Stafford and Chestnut Creeks. Station is best reached by following ridge W. from Handmaul Gap.

Station Mark - Houston Triangulation Survey Tablet cemented in set stone.

Reference Mark No. 1 - Cross cut on head of 30d nail in side of 18-in. black-oak tree 62.25 ft. from station in true azimuth 48°56'

Reference Mark No. 2 - Cross cut on head of 30d nail in root of 20-in. white-oak tree, 111.41 ft. from station in true azimuth 48°56'

X = 2,897,033

Y = 571,718

Destroy 1954, M. J. Monnello

[Latitude 37 51 47.055

Longitude 82 38 32.348 ]

To Station—	Azimuth	Back Azimuth	Feet	Distance	Miles
Standifer (USGS)	30 40 50.8	210 39 12.7	25171.82		
Nelson (USGS)	142 07 20.6	322 04 01.8	42206.56		
Corncob	203 07 33.8	23 09 32.3	39329.42		
Turkey	251 44 07.2	71 48 44.7	38153.60		
Saltwell	291 49 29.1	111 52 18.3	23833.78		
Hurricane (USGS)	303 00 52.1	123 06 20.5	51274.00		
Jones	316 27 42.0	136 30 54.9	36661.18		
Sulphur	337 44 13.7	157 45 27.4	25474.64		

Inez

Qd. # 137

Station: HICKORY

County: Martin

State: Kentucky

Observer Ky. By Products Coal Year: 1929 Datum: Prelim. 1927 N.A.D.

Description:

Co.

PRELIMINARY

1/21/54 jmr

Martin County, Ky. - On a knob on ridge between Laurel Fork of Middle Fork of Rockcastle Creek and Panther Fork of Wolf Creek and at head of Lynnbank Fork of Coldwater Fork of Rockcastle Creek. Station is best reached by going up Lynnbank Fork and following ridge south from Hickory Gap.

Station Mark: - Houston Triangulation Survey tablet cemented in a 7" x 9" x 27" stone set on end flush with ground.

Reference Mark No. 1: Cross mark in head of 20d nail in root of 18-in. black oak tree on ridge, 178.35 ft. from station in true azimuth 153°26'

Reference Mark No. 2: Cross mark in head of 20d nail in root of 13-in. chestnut tree on knob, 29.50 ft. from station in true azimuth 324°25'

Not Found 1954 L. R. Mongello

Kentucky Lambert Projection  
(South Zone)

X = 2915252

Y = 532167

[Latitude 37 45 10.273

Longitude 82 35 01.817

1

To Station—	Azimuth	Back Azimuth	Distance	
			<del>Feet</del> Feet	Miles
Jones	211 39 24.7	31 40 28.4	15,916.1	
Hurricane (USGS & USC&GS)	244 59 04.2	65 02 23.2	28,794.8	
Big Andy	302 45 34.0	122 46 37.3	9,872.6	



Inez Station: JONES

County: Martin

State: Kentucky

Observer Ky. By Products Coal Year: 1929 Datum: 1927 N.A.D.

Description: Company

2/19/54 mcs

Martin County, Ky. - On a high knob on ridge between Middle Fork and Coldwater Fork of Rockcastle Creek between head of Venters Branch of Middle Fork and Jones Branch of Venters.

Station Mark - Houston Triangulation Survey tablet cemented in a 12- by 12- by 20-in. stone set flush with ground.

Reference Mark No. 1 - Cross mark on head of 20d nail in root of 18-in. chestnut oak (corner tree) 25.14 ft. from station in true azimuth  $88^{\circ}19'$

Reference mark No. 2 - Cross mark on head of 20d nail 5 ft. above ground in 15-in. walnut tree, 141.40 ft. from station in true azimuth  $280^{\circ}43'$

X = 2923147

Y = 545987

Not Found 1954 L. R. Monnello

[Latitude 37 47 24.199

Longitude 82 33 17.759 ]

To Station—	Azimuth	Back Azimuth	Feet Distance	Miles
Hickory	31 40 28.4	211 39 24.7	15916.1	
Mudlick	42 41 40.4	222 41 04.5	6944.1	
Goble	50 36 34.4	230 34 32.4	20699.95	
Standifer (USGS)	97 25 25.3	277 20 34.4	38415.08	
Sulphur	100 56 21.7	280 54 22.6	15888.36	
Spring Knob	109 11 18.4	289 07 44.7	29621.70	
Handmaul	136 30 54.9	316 27 42.0	36661.18	
Saltwell	170 02 22.6	350 01 58.8	17989.59	
Hurricane (USGS)	274 26 19.6	94 28 35.0	17793.35	
Walnut	317 24 05.4	137 25 13.5	13190.9	

Qd # 137

Station: LAUREL

County: Martin

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: Prelim. 1927 N.A.D.

Description: Company  
2/19/54 mcs

PRELIMINARY

Martin County, Ky. - On a spur near its intersection with ridge between Little Laurel and Grassy Branches of Rockcastle. On division line between properties of Jim Endicott and Big Sam Endicott. This station is best reached by following ridge S. from head of hollow back of Jim Endicott's residence on Little Laurel.

Station Mark - 8- by 8- by 24-in. stone set on end flush with ground with lead plug to mark center.

Reference Mark No. 1 - Cross mark on head of 20d nail 6 ft. above ground in 12-in. pine tree, 69.80 ft. from station in true azimuth 45°47'

Reference Mark No. 2 - Cross mark on head of 20d nail in root of 18-in. hickory (corner tree), 15.68 ft. from station in true azimuth 337°03'

X = 2,919,452

Y = 600,988

Not Found M. J. M. 4/54

[Latitude 37 56 28.877

Longitude 82 33 40.632 ]

To Station—	Azimuth	Back Azimuth	Foot Log. Meters	Distance Miles
↓ Corncob	134 03 13.8	314 02 13.0	11014.8	
↓ Blankenship	251 30 25.2	71 32 20.4	15820.8	

Inez

Station: Mudlick

County: Martin

State: Kentucky

Observer: Ky. By Products Cca Year: 1929 Datum: Prelim. 1927 N.A.D.

Description: Co.  
2/19/54 mcs

PRELIMINARY

Martin County, Ky. - On a high knob on main ridge between Middle Fork and Coldwater Fork of Rockcastle Creek and at head of Mudlick Branch and Meadows Branch. Station may be reached by following ridge S. from Long Gap.

Station Mark - Houston Triangulation Survey tablet cemented in a 3- by 8- by 27-in. stone set on end flush with ground.

Reference Mark No. 1 - Cross mark on head of 20d nail in center of 12-in. pine stump, 51.20 ft. from station in true azimuth  $54^{\circ}31'$

Reference Mark No. 2 - Cross mark on head of 20d nail in base of leaning 21-in. chestnut oak on ridge 128.65 ft. from station in true azimuth  $333^{\circ}51'$

X = 2,918,409

Y = 545,793

Not Found 1954 L. R. Monnello

[Latitude 37 45 33.738

Longitude 82 34 16.405 ]

To Station—	Azimuth	Back Azimuth	Distance	
	° ' "	° ' "	<del>13584.1</del> Feet	Miles
Sulphur	126 41 36.4	306 40 13.3	13584.1	
Jones	222 41 04.5	42 41 40.4	6944.1	
Hurricane (USGS)	260 33 52.1	80 36 43.4	22755.9	



Inez  
Station: NELSON (U.S.G.S.) (U.S.C. & G.S.)

County: Lawrence

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: 1927 N.A.D.

Description: Company

2/19/54 mcs

Nelson (U.S.G.S.) (Lawrence County, Ky., M.A.H., 1934) - This is an old station located on a sharp pointed peak, lying between right fork of Georges Creek and Spencer Branch about 2-3/4 mi. N. of Lowmansville and 2 mi. SW. of Charlie.

To reach from the courthouse at Louisa, go S. on U. S. Highway 23 for 13.5 miles and turn right on dirt road at a white schoolhouse on left. Follow this road 3 mi. to a green store in Charlie. Take left fork for 0.4 mi. and turn left downhill to another store, proceed along pack branch 0.9 mi. to an old cabin on right which is the end of truck travel. From here go right on trail about 1/2 mi. to home of Cort Hall. Keep left fork of Halls barn and proceed through corn field to top of ridge and station about 3/4 mile distant. The station is located at the SW. edge of a narrow ridge and a little lower than the highest point.

Reference marks and azimuth mark are standard tablets set in concrete in depression in boulders.

Reference mark No. 1 is NE. of station at edge of summit, set about 6 in. below ground.

Reference mark No. 2 is NNW. of station at edge of summit.

The azimuth mark is located about 0.75 mi. NE. of station at the northern edge of an old apple orchard, 16 ft. ENE. of trail, and about 200 yds. ENE. of the home of Cort Hall. The mark is set flush with the surface.

X = 2,870,038

Y = 604,162

[Latitude 37 57 16.284

Longitude 82 43 55.879 ]

To Station—	Azimuth	Back Azimuth	Distance	
			<del>X-Box</del> Feet	Miles
Corncob	265 59 48.9	86 05 06.5	41459.05	
Borders	289 44 53.1	109 49 00.4	34257.3	
Handmaul	322 04 01.8	142 07 20.6	42206.56	
Standifer (USGS)	346 34 07.4	166 35 47.8	56495.59	



Inez. Co. # 137  
 Station: PRESTON

County: Martin

State: Kentucky

Observer: Ky. By Products Coal Year 1929 Datum: Prelim. 1927 N.A.D.

Description: Company  
 2/19/54 mcs

PRELIMINARY

Martin County, Ky. - About  $1\frac{1}{2}$  mi. W. of Inez, on a high knob between forks of Preston Branch. Station may be reached by going up hollow by residence of Allen James and following ridge to left at head.

Station Mark - Houston Triangulation Survey tablet cemented in a 10- by 10- by 27-in. stone set on end and projecting 2 in. above surface.

Reference Mark No. 1 - Cross mark in top of ridge, 113.32 ft. from station in true azimuth  $108^{\circ}38'$

Reference Mark No. 2 - Cross mark on large boulder on ridge 35.70 ft. from station in true azimuth  $354^{\circ}55'$

X = 2,919,549

Y = 572,057

[Latitude 37 51 42.954

Longitude 82 33 50.356 ]

To Station—	Azimuth	Back Azimuth	Distance	
			<del>X</del> Feet	Miles
Saltwell	3 21 40.1	183 21 35.3	8469.6	
Hurricane (USGS)	323 32 15.4	143 34 50.9	34253.8	

Qo. # 137.  
Inez  
Station: SALTWELL

County: Martin

State: Ky.

Observer: Ky. By Products Coal Year 1929 Datum: 1927 N.A.D.

Description: Company  
2/19/54 mcs

Martin County, Ky. - On a high knob on ridge between Middle Fork of Rockcastle Creek and Saltwell Creek. Station may be reached by following road up a hollow by the residence of Andy Harless on Saltwell Creek.

Station Mark - Houston Triangulation Survey tablet cemented in a 8- by 10- by 24-in. stone set on end flush with ground.

Reference Mark No. 1 - Cross mark cut in top of a rock cliff, 25.90 ft. from station in true azimuth 72°07'

Reference Mark No. 2 - Cross mark cut in large rock, 72.68 ft. from station in true azimuth 230°00'

Reference Mark No. 3 - Cross mark cut in large boulder, 42.45 ft. from station in true azimuth 353°49'

X = 2919438

Y = 563590

[Latitude 37 50 19.367

Longitude 82 33 56.546

To Station—	Azimuth	Back Azimuth	Distance	Miles
	° ' "	° ' "	<del>Log Miles</del>	
Sandlick	15 56 51.5	195 55 56.2	26365.0	
Goble	22 39 38.7	202 38 00.4	33437.44	
Sulphur	40 20 08.8	220 18 33.5	19290.88	
DeLong	48 33 02.6	228 30 47.4	23605.70	
Standifer (USGS)	69 57 37.7	249 53 10.5	37234.30	
Spring Knob	72 11 40.6	252 08 30.6	26114.32	
Handmaul	111 52 18.3	291 49 29.1	23833.78	
Preston	183 21 36.3	3 21 40.1	8469.6	
Brown	191 00 06.4	11 00 33.7	18671.8	
Flatrock	236 40 39.6	56 42 53.2	20898.3	
Hurricane (USGS)	312 28 34.8	132 31 14.1	28274.15	
Jones	350 01 58.8	170 02 22.6	17989.59	

Inez *QR #137*  
Station: Sand Lick

County: Martin

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: Prelim. 1927 N.A.D.

Description: Company  
2/19/54 mcs

PRELIMINARY

Martin County, Ky. - On a knob on ridge between Sandlick Branch and Middle Fork of Rockcastle Creek and at head of Mill Branch of Laurel Fork.

Station Mark - Houston Triangulation Survey tablet cemented in a 6- by 7- by 12-in. stone set on end flush with ground.

Reference Mark No. 1 - Cross mark on head of 20d nail in root of 12-in. pine tree 47.12 ft. from station in true azimuth  $55^{\circ}02'$

Reference Mark No. 2 - Cross mark on head of 20d nail in center of 12-in. pine stump, 15.75 ft. from station in true azimuth  $200^{\circ}34'$

X = 2913052

Y = 538,010

NOTE: Reported not found 4/54 by M. J. Mannello

[Latitude  $37^{\circ}46'08.737''$

Longitude  $82^{\circ}35'26.760''$  ]

To Station—	Azimuth	Back Azimuth	Feet	Distance
Delong	132 55 33.8	312 54 14.0	<del>14274.2</del>	Miles
Saltwell	195 55 56.2	15 56 51.5	26365.0	



Inez QO. # 137

Station: SPRING KNOB

County: Martin

State: Ky.

Observer: Ky. By Products Coal Year: 1929 Datum: 1927 N.A.D.

Description: Company  
2/19/54 mcs

Martin County, Ky. - On a high knob between Greasy Creek of Levisa Fork and Rockcastle Creek of Tug Fork. This knob is known locally as Spring Knob and is in the county line between Martin and Johnson Counties. Station may be reached by following ridge N. from residence of Jim Crum.

Station Mark - Houston Triangulation Survey tablet cemented in a 10- by 12- by 24-in. stone set on end flush with ground.

Reference Mark No. 1 - Cross mark in head of 20d nail in base of 14-in. chestnut tree, 49.61 ft. from station in true azimuth  $91^{\circ}55'$

Reference Mark No. 2 - Cross mark in head of 20d nail 5 ft. above ground in 10-in. walnut tree, 22.78 ft. from station in true azimuth  $143^{\circ}01'$

X = 2,894,858

Y = 554,771

[Latitude 37 49 00.308

Longitude 82 39 06.386 ]

To Station—	Azimuth	Back Azimuth	Distance	
			<del>Feet</del>	Miles
Standifer (USGS)	64 41 10.2	244 39 52.9	11186.25	
(USC&GS)				
Saltwell	252 08 30.6	72 11 40.6	26114.32	
Hurricane (USGS)				
(USC&GS)	283 36 12.8	103 42 02.0	47047.38	
Jones	289 07 44.7	109 11 18.4	29621.70	
Sulphur	298 26 39.2	118 28 13.8	14083.44	
Delong	316 46 01.7	136 46 56.5	10477.95	

Inez

Station: STANDIFER (USGS)(USC&amp;GS)

County: Johnson

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: 1927 N.A.D.

Description: Company  
2/19/54 mcs

Standifer (USGS)(Johnson County, Ky., M.A.H., 1934) - This is an old station located on a high peak between right fork of Grassy Creek and Pigeonroost Branch, 9.3 mi. SW. of Inez and 6.5 mi. S. of E. of Paintsville, the tablet for the old station has been removed and a new standard U.S.C. & G.S. disk has been placed in the hole from which the tablet was removed. This peak is known locally as Standifer Knob.

To reach station from junction of U. S. Highway 23 and State Highway 40 in Paintsville, go E. of State Highway 40 for 9.5 miles and then turn about 50 yards to Boone Camp post office. Continue 0.5 mile and take right fork, go 0.1 mile and take right at school, and continue 1.05 miles and take left fork past mouth of Pigeonroost Branch and go 0.15 mile to gate leading to home of L. G. Penix. Drive down hill to creek and end of truck travel. From the Penix home, take trail up branch about 0.25 mi. and bear left up side of ridge to top and turn right along ridge about 300 yards to top of peak and station.

NOTE: Kentucky Geodetic Survey in 1935 found station marker some distance from the station and returned to Washington office. The damage to marker was probably the wilful destruction by unknown parties. The drill hole marking the position of the station is not entirely cut away.

Station Mark is set in bedrock 3 ft. NE. of 12-in. locust tree.

Reference Mark No. 2 and azimuth mark are standard bronze disks wedged in drill holes in outcropping. Mark 2 is WNW. of station set in bedrock.

Reference Mark No. 1 is NE. of station, a standard bronze disk set in a boulder down slope from station about 10 ft. lower than station. Azimuth mark is NE. of station on S. edge of lower ridge, set flush with ground, about 50 ft. lower than station

X = 2,884,908 Y = 549,659  
[Latitude 37 48 13.004 Longitude 82 41 12.377]

To Station—	Azimuth	Back Azimuth	Feet	Distance
			<del>Log. Meters</del>	Miles
✓ Nelson (USGS) (USC&GS)	166 35 47.8	346 34 07.4	56495.59	
✓ Handmaul	210 39 12.7	30 40 50.8	25171.82	
✓ Spring Knob	244 39 52.9	64 41 10.2	11186.25	
✓ Saltwell	249 53 10.5	69 57 37.7	37234.30	
✓ Hurricane (USGS) (USC&GS)	276 23 53.2	96 30 59.4	56191.92	
✓ Jones	277 20 34.4	97 25 25.3	38415.08	
✓ Flag (USGS) (USC&GS)	313 11 11.8	133 18 20.6	77273.58	



Inez *Qb # 137*  
 Station: SULPHUR

County: Martin

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: 1927 N.A.D.

Description: Company  
 2/19/54 mcs

Martin County, Ky. - On a high knob on ridge between Rockhouse Fork and Middle Fork of Rockcastle Creek, at head of Sulphur Branch of Davis Branch of Middle Fork. Station may be reached by going up hollow back of residence of Roland Sester on Middle Fork.

Station Mark - Houston Triangulation Survey tablet cemented in a 6- by 8- by 24-in. stone set on end flush with ground.

Reference Mark No. 1, cross mark in head of 20d nail in root of 18-in. black-oak tree, 46.20 ft. from station in true azimuth 185°00'

Reference Mark No. 2, Cross mark cut in rock ledge on top of ridge, 66.70 ft. from station in true azimuth 343°37'

X = 2,907,454

Y = 548473

Not Found 1954 L. R. Mannello

[Latitude 37 47 53.963

Longitude 82 36 32.108 ]

To Station—	Azimuth	Back Azimuth	Feet	Distance
	° ' "	° ' "	<del>Kilometers</del>	Miles
Goble	1 22 43.8	181 22 40.9	16156.25	
DeLong	79 56 28.2	259 55 48.5	5287.97	
Spring Knob	118 28 13.8	298 26 39.2	14083.44	
Handmaul	157 45 27.4	337 44 13.7	25474.64	
Saltwell.	220 18 33.5	40 20 08.8	19290.88	
Hurricane (USGS)				
(USC&GS)	277 28 19.0	97 32 33.6	33627.67	
Jones	280 54 22.6	100 56 21.7	15188.36	
Mudlick	306 40 13.3	126 41 36.4	13584.1	

(22)



Inez  
Station: TURKEY

County: Martin

State: Ky.

Observer: Ky. By Products Coal Year: 1929 Datum: 1927 N.A.D.

Description: Co.  
2/19/54 mcs

Martin County, Ky. - On E. end of a high knob on ridge between Tug River and Rockcastle Creek, at head of Long Fork of Turkey Creek of Tug and Lick Branch of Rockcastle Creek. Station may be reached by going up the left fork of Calf Creek to the Whetstone Knob and following ridge W.

Station Mark - Houston Triangulation Survey tablet cemented in a 7- by 10- by 30-in. stone set on end and projecting 4 in. above surface.

Reference Mark No. 1 - Cross mark chiseled into large boulder 18 ft. S. of top of ridge, 202.80 ft. from station in true azimuth  $16^{\circ}48'$

Reference Mark No. 2 - Cross mark chiseled into large boulder, 19.32 ft. from station in true azimuth  $76^{\circ}35'$

X = 2,932,851

Y = 584,860

Destroyed L. R. M. 4/54

[Latitude 37 53 45.029

Longitude 82 31 00.362 ]

To Station—	Azimuth	Back Azimuth	Distance	
			Log. Meters	Miles
Handmaul	71 48 44.7	251 44 07.2	38153.60	
Grassy	132 26 40.3	312 24 28.6	23271.3	
Corncob	139 25 56.5	319 23 17.2	31909.07	
Blankenship	185 43 54.7	5 44 11.4	21696.10	
Hurricane (USGS) (USC&GS)	350 27 17.0	170 28 08.3	40463.56	

Triz **00 # 137**  
Station: WALNUT

County: Martin

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: Prelim. 1927 N.A.D.

Description: Company  
2/19/54 mcs

PRELIMINARY

In Martin County - On a high knob on ridge between Rockcastle and Wolf Creeks. Between head of Walnut Fork and Wolf Branch of Old Road Fork (waters of Rockcastle Creek) and at head of Right Fork of Whitecabin Branch of Wolf Creek.

Station Mark - Houston Triangulation Survey tablet cemented in a 6- by 9- by 30-in. stone set on end and projecting 3 in. above surface.

Reference Mark No. 1 - Nail in base of 18-in. black-oak tree on ridge 151.40 ft. from station in true azimuth  $32^{\circ}14'$

Reference Mark No. 2 - Nail in top of 14-in. black-oak stump 29.26 ft. from station in true azimuth  $204^{\circ}36'$

Reference Mark No. 3 - Nail in top of 18-in. chestnut stump 34.57 ft. from station in true azimuth  $328^{\circ}12'$

X = 2,932,398

Y = 536586

NOTE: Reported destroyed in 1954 by L. R. Mannello.

[Latitude  $37^{\circ} 45' 48.201''$

Longitude  $82^{\circ} 31' 26.576''$  ]

To Station—	Azimuth	Back Azimuth	Feet	Distance
	° ' "	° ' "	<del>XXX XXXX</del>	Miles
McGee	4 36 38.4	184 36 31.8	10915.2	
Big Andy	44 24 23.0	224 23 14.5	12845.6	
Goble	82 11 32.7	262 08 22.7	25160.5	
Jones	137 25 13.5	317 24 05.4	13190.9	
Hurricane (USGS) (USC&GS)	226 37 05.6	46 38 12.8	12127.8	